



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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August 24, 1992

Ronald Day
Vice President
Rancho Equipment Service
279 East Main
P. O. Box 591
Delta, Utah 84624

Dear Mr. Day:

Re: Notice of Intention to Commence Large Mining Operations, Rancho Equipment Service, Topaz Valley Limestone Quarry, M/023/026, Juab County, Utah

The Division has not yet completed a review of the information provided by Rancho Equipment Service and the BLM with respect to the expansion of the small mining operation to a large mining operation. Please find enclosed, copies of the Reclamation Contract, Guidelines for completing the Reclamation Contract, Surety Bond forms (2 types), and a draft reclamation cost estimate.

The draft reclamation estimate is provided for your review; however, the amount may change when the Division has completed a review of the mine plan. More specifically, items in the reclamation estimate with a question mark or "ASSUMED" may be altered in the final version.

Please call me if you have any questions regarding this letter or the enclosures. Thank you for your cooperation in completing this permitting action.

Sincerely,

Anthony A. Gallegos
Reclamation Engineer

jb
Enclosures
cc: Rody Cox, BLM

RECLAMATION ESTIMATE

DRAFT

Rancho Equipment Services

Topaz Limestone Quarry

last revision

08/22/92

S/023/022 => M/023/026

Juab County

Prepared by Utah State Division of Oil, Gas & Mining

Reclamation Details

- Small mining operation converting to large mining operation
- All structures & equipment to be removed from the mine site
- All pads & new roads to be ripped to 6" depth, disked & seeded
- All trash & debris removed from site
- Quarry benches/highwalls blasted or regraded to 3h:1v
- ASSUME 2/3 quarry area has a highwall at reclamation
- Quarry area regraded to approximate original contours ???
- Limestone wastefines spread over regraded quarry (6" depth?)
- Salvaged topsoil spread over entire disturbed area (6" depth?)
- Entire disturbed area disked & seeded (drill or broadcast)
- All drillholes not mined will be plugged according to DOGM rules
- Topsoil stockpile areas to be disked & seeded
- Estimated total disturbed acreage = 15.8 acre

| Activity | Amount | \$/unit | \$ |
|----------------------------------|-----------|---------|--------|
| Regrade 2/3 quarry to 3:1 | 4.8 acre | 488 | 2,342 |
| Place 6" fines over quarry - 6"? | 7.2 acre | 250 | 1,800 |
| Rip stockpile pads & roads | 6.6 acre | 485 | 3,201 |
| Place topsoil (6" ?) | 15 acre | 210 | 3,150 |
| Disk & seed - MULCH? FERTILIZE? | 15.8 acre | 280 | 4,424 |
| Remove trash & debris | 15.8 acre | 100 | 1,580 |
| Plug drill holes | 1 sum | 1000 | 1,000 |
| Remove highwall berms | 800 LF | 4 | 3,200 |
| Remove culverts | 5 each | 100 | 500 |
| Mobilization | 6 equip | 1000 | 6,000 |
| Subtotal | | | 27,197 |
| Add 10% contingency | | | 2,720 |
| 1992-\$ Subtotal | | | 29,917 |
| Add 5 yr escalation at 1.27% | | | 4,263 |
| Total 1997-\$ | | | 34,180 |

Rounded Total in 1997-\$

\$34,200

Average cost per acre =

\$2,165

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